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DXLI.—LIST OF KEW PUBLICATIONS, 1841-95.

The Royal Gardens, Kew, have been from their first devotion to public use the most important seat of botanical research in the United Kingdom. Sir William Hooker, the new Director of the reorganised establishment, brought with him from the University of Glasgow not merely his herbarium and library, for the reception of which West Park was rented for him by the Government, but an indefatigable assiduity in the pursuit of science and a world-wide correspondence with every botanist and traveller of his time. Under his direction Kew at once took the position of a botanical institution of the first rank. The impulse which it received from him has gathered strength with succeeding years, and its activity seems little likely to diminish under the demands made upon it from every part of the Empire.

In 1852 the Hookerian Herbarium was removed to the present building. In 1854 George Bentham, Esq., F.R.S., added to it his own herbarium and library. In 1858 the East India Company transferred to Kew the enormous collections made by their officers, which had accumulated at the India House. In 1867, after the death of Sir William Hooker, the Government purchased his library and herbarium, which thus became public property. The accommodation soon became inadequate, and in 1877 the large hall to the north was completed, the herbarium transferred to it, and the front of the original building fitted up for the library.

In 1863 Sir William Hooker projected a series of floras on an uniform plan and in the English language for India and the Colonies. The work has been steadily kept in hand ever since, and the bulk of it has been accomplished at Kew, though not in all cases by members of the staff. Of those works the most important are the "Flora Australiensis," commenced by Mr. Bentham in 1863 and completed in 1878, and the "Flora of British India," commenced in 1875 by Sir Joseph Hooker with the assistance of other botanists, which he has happily succeeded in completing since his retirement in 1885 from the post of Director. Australia and India are the only two large areas of the world the vegetation of which has been described exhaustively.

The most important work, however, which has issued from Kew is the "Genera Plantarum," which for the first time brought all the

vast accumulations of flowering plants accessible to botanists in recent times into disciplined order. The first part was published by Mr. Bentham and Sir Joseph Hooker in 1862, and it was completed in 1883.

Another great undertaking, in some sense supplementary to this, is the "Index Kewensis." This gives down to 1885 all published names of flowering plants, with a reference to the work in which each first occurs. It was prepared by B. Daydon Jackson, Esq., Secretary of the Linnean Society, who was engaged upon its preparation for ten years, the expense being defrayed by the family of the late Charles Darwin, F.R.S. It was published by the Oxford Clarendon Press, the first part appearing in 1893 and the last in 1895.

Besides substantial works of this kind, the enormous material available at Kew has stimulated a constant stream of smaller publications either by members of the Kew staff or by other botanists working there. Of these the following pages contain a chronological catalogue which has been compiled with much pains by Mr. Daydon Jackson. It represents a volume of work which probably is not surpassed by that of any other institution in the world.

Articles of merely ephemeral interest have not been included in the list, and it is probable that some which should have been, have eluded research or have been overlooked.

The commencement of the second decade of the Kew Bulletin seemed an appropriate occasion for publishing this record of accomplished work.

W. T. T.-D.

LIST OF PUBLICATIONS.

1841.

Botanical Magazine, ed. by **W. J. Hooker**, vol. lxvii. (n. s. xiv), (in part, possibly t. 3868-3879), lxviii., t. 3880-3915.

Icones Plantarum, by **W. J. Hooker**, vol. iv, in part.

1842.

Genera Filicum, or Illustrations of the Ferns and other allied Genera; from the original coloured drawings of **Francis Bauer**, with descriptive letterpress. By **W. J. Hooker**.

Tussac Grass. By the same, Geogr. Soc. Journ., xii., pp. 265-267.

On a new *Laurus* (sub-gen. *Oreodaphne*?) from Southern Africa. By the same, Journ. Bot., iv., 418-419.

Some account of the Paraguay Tea (*Ilex paraguayensis*). By the same, Lond. Journ. Bot., i., 30-42.

On *Trichomanes Vittaria*, De Cand. By the same, l.c., 137-138.

On *Cenomyce retipora*. By the same, l.c., 292-294.

On a new Species of *Meniscium* [*M. simplex*] from China. By the same, l.c., 294-295.

On two Species of *Chrysosplenium* from extra-tropical South America. By the same, l.c., 457-459.

On a New Species of *Thuja* [*T. doniana*], and on *Podocarpus Totara* of New Zealand. By the same, l.c., 570-575.

Figures, with brief Descriptions, of three Species of *Podocarpus*. By the same, l.c., 656-659.

An Arrangement and Definition of the Genera of Ferns, with Observations on the Affinities of each Genus. By J. Smith, Journ. Bot., iv., 38-70, 147-198.

Contributions toward a Flora of South America. Enumeration of Plants collected by Mr. Schomburgk in British Guiana. (By G. Bentham.) Filices determined and described by J. Smith, Lond. Journ. Bot., i., 193-203.

An Arrangement and Definitions of the Genera of Ferns, &c. (*cont.*). By J. Smith, l.c., 419-438, 659-668.

Botanical Magazine, edited by W. J. Hooker, vol. lxxviii., t. 3916-3963 ; lxxix., t. 3964-3987.

Icones Plantarum, by the same, vol. v. (n.s. i.).

The Journal of Botany, &c., vol. iv.

The London Journal of Botany, &c., vol. i.

1843.

Brief Descriptions, with figures, of *Juniperus bermudiana*, the Pencil Cedar Tree ; and of the *Dacrydium elatum*, Wall. By W. J. H[ooker], Lond. Journ. Bot., ii., 141-145.

Figure and Description of a new Species of *Thuja* [*T. chilensis*], from Chili. By the same, l.c., 199-200.

Notes on the Botany of the Antarctic Voyage, conducted by Captain James Clark Ross, in Her Majesty's discovery ships "Erebus" and "Terror" ; with Observations on the Tussock Grass of the Falkland Islands. By W. J. Hooker.

Reprinted from Lond. Journ. Bot., ii., pp. 247-329, and may be regarded as a preliminary report on the botany of Ross's antarctic expedition, from the letters of Dr. J. D. Hooker, the botanist of the expedition.

Figures with brief Descriptions of two Species of *Panax*, from New Zealand. By the same, l.c., 421-423.

On *Baxteria* (of Mr. Brown), a new Genus of Plants from South Australia. By the same, l.c., 492-495.

Figure and brief Description of *Castanea chrysophylla*. By the same, l.c., 495-497.

Description of a new Species of *Drapetes*, from New Zealand. By the same, l.c., 497-498.

Figure and Description of a new Species of *Araucaria* [*A. Bidwilli*], from Moreton Bay, New Holland, detected by J. T. Bidwill, Esq. [By the same], l.c., 498-506.

Figure and Description of a new Species of *Senebiera* [*S. rhytidocarpa*] from Patagonia. By the same, l.c., 506-507.

An arrangement . . . of the Genera of Ferns, &c. By J. Smith (concluded), Lond. Journ. Bot., ii., 378-394.

Botanical Magazine, vol. lxxix., t. 3988-4047; lxxx., 4048-4059.

Icones Plantarum, vol. vi.

London Journal of Botany, vol. ii.

1844.

Some Account of a new *Elæodendron* from New Zealand. By J. D. Hooker, Lond. Journ. Bot., iii., 228-230.

Catalogue of the names of a Collection of Plants made by Mr. Wm. Stephenson, in New Zealand. By the same, l.c., 411-418.

Note on the Cider Tree (*Eucalyptus Gunnii*). By the same, l.c., 499-501.

Hepaticæ Antarcticæ; being Characters and brief Descriptions of the Hepaticæ discovered in the southern circumpolar regions during the voyage of H.M. discovery ships "Erebus" and "Terror." By the same, l.c., iii., 366-400; 454-481 (continued as Hepaticæ Novæ Zelandiæ, &c.).

Hepaticæ Novæ Zelandiæ et Tasmaniæ; being Characters and brief Descriptions of the Hepaticæ discovered in the Islands of New Zealand and Van Diemen's Land, during the voyage of H.M. discovery ships "Erebus" and "Terror," together with those collected by R. C. Gunn and W. Colenso. By the same, l.c., 556-582.

Lichenes Antaretici; being Characters and brief Descriptions of the new Lichens discovered in the southern circumpolar regions, Van Diemen's Land, and New Zealand, during the voyage of H.M. discovery ships, "Erebus" and "Terror." By the same, l.c., 634-658.

Musci Antaretici; being Characters with brief descriptions of the new species of Mosses discovered during the voyage of H.M. discovery ships, "Erebus" and "Terror," in the southern circumpolar regions, together with those of Tasmania and New Zealand. By J. D. Hooker and W. Wilson, l.c., 533-556.

Description and Figure of a new Species of *Oxalis* [*O. lindsææfolia*] from Columbia. By W. J. Hooker, l.c., 141-142.

Description, with a Figure, of a new Species of *Thuja* [*T. tetragona*], the Alerce of Chili. By the same, l.c., 144-148.

Some account of *Exothea oblongifolia*. By the same, l.c., 226-228.

Brief Description of a new *Notylia* [*N. multiflora*]. By the same, l.c., 315-316.

On a new Genus of Flacourtianæ [*Lunania*] recently detected by Mr. Purdie in Jamaica. By the same, l.c., 316-318.

Enumeration of the Mosses and Hepaticæ, collected in Brazil by G. Gardner, Esq. Drawn up by W. J. Hooker and W. Wilson, l.c., 149-167.

Botanical Magazine, vol. lxx., t. 4060-4131.

Icones Plantarum, vol. vii.

London Journal of Botany, vol. iii.

1845.

The Botany of the Antarctic Voyage of H.M. discovery ships, "Erebus" and "Terror," in the years 1839-43, under the command of Captain James Clark Ross.

I. Flora antarctica. By J. D. Hooker.

This appeared in parts, the Preface being dated 1845.

On the Huon Pine, and on *Microcachrys*, a new Genus of Coniferæ from Tasmania; together with Remarks upon the Geographical Distribution of that Order in the Southern Hemisphere. By the same, Lond. Journ. Bot., iv., 137-157.

On *Fitchia*, a new Genus of Arborescent Compositæ (Trib. Cichoraceæ) from Elizabeth Island, in the South Pacific. By the same, l.c. 640-643.

Algæ Novæ Zelandiæ, being a Catalogue of all the species of Algæ yet recorded as inhabiting the shores of New Zealand, with Characters and brief Descriptions of the new Species discovered during the Voyage of H.M. discovery ships "Erebus" and "Terror," and of others communicated to Sir W. Hooker by Dr. Sinclair, the Rev. W. Colenso and M. Raoul. By J. D. Hooker and W. H. Harvey, l.c., 521-551.

Algæ Antarcticæ, being Characters and Descriptions of the hitherto unpublished Species of Algæ, discovered in Lord Auckland's Group, Campbell's Island, Kerguelen's Land, Falkland Islands, Cape Horn, and other southern circumpolar regions, during the voyage of H.M. discovery ships "Erebus" and "Terror." By the same, l.c., 249-276; 293-298.

Hepaticæ Antarcticæ, Supplementum, or Specific Characters with brief descriptions, of some additional Species of the Hepaticæ of the Antarctic Regions, New Zealand, and Tasmania, together with a few from the Atlantic Islands and New Holland. By J. D. Hooker and T. Taylor, l.c., 79-97.

Animadversiones in Piperaceas Herbarii Hookeriani, auctore F. A. W. Miquel, l.c., 410-470.

Description de deux genres nouveaux de la famille des Euphorbiacées; par J. E. Planchon, l.c., 471-474.

Sur les affinités des genres *Henslowia*, Wall. (*Crypteroma*? Blume. *Quilamum*? Blanco.) *Raleighia*, Gardn. et *Alzatea*, Ruiz et Pav. By the same, l.c., 474-478.

Description d'un nouveau genre de la famille des Diosmées [*Rabelaisia*]. By the same, l.c., 519-521.

Observations on a New Genus of Ferns (*Syngamma*). By J. Smith, l.c., 166-169.

Botanical Magazine. vol. lxxi. (1st of the 3rd series).

London Journal Botany, vol. iv.

Report . . . on the Royal Botanic Gardens and the proposed New Palm House at Kew. (House of Commons Return.)

1846.

Note on a Fossil Plant from the Fish River, South Africa. By J. D. Hooker, Geol. Soc. Trans., vii., 227.

Description of *Pleuropetalum*, a new Genus of Portulacæ, from the Galapago Islands. By the same, Lond. Journ. Bot., v., 108-109.

Description of a new Genus of Compositæ (*Scleroleima*), and a New Species of *Plantago* [*P. Gunnii*], from the mountains of Tasmania. By the same, l.c., 444-447.

An Enumeration of the Plants of the Galapagos Archipelago; with descriptions of the new Species. By the same, Proc. Linn. Soc., i., (1846) 276-279.

A century of Orchidaceous Plants selected from Curtis's Botanical Magazine, with coloured figures and dissections chiefly executed by Mr. Fitch. By W. J. Hooker.

Species Filicum; being Descriptions of the known Ferns, particularly of such as exist in the Author's Herbarium. By the same.

Contains upwards of 300 uncoloured plates, by W. Fitch, illustrating at least 500 species of ferns.

Description d'un genre nouveau [*Purdiaea*], voisin du *Cliftonia*, avec des observations sur les affinités des *Saurauja*, des *Sarracenia*, et du *Stachyurus*. Par J. E. Planchon, Lond. Journ. Bot., iv. (1846), 250-256.

Revue de la Famille des Simaroubées. By the same, l.c., 560-584.

Sur le genre *Godoya* et ses analogues, avec des observations sur les Linées, des Ochnacées, et une revue des genres et espèces de ce groupe. By the same, l.c., 584-600; 644-656.

Catalogue of the first Series of Plants of Java, collected by Mr. T. Lobb, sets of which have been announced for sale by Mr. Heward, Young Street, Kensington. By the same, l.c., Lond. Journ. Bot., v., 246-250.

An Enumeration of Ferns cultivated in the Royal Gardens at Kew, in December 1845; with Characters and Observations on some of the Genera and Species. By J. Smith, Comp. Bot. Mag., vol. lxxii., pp. 7-39. Also as a separate pamphlet, pp. 35.

Botanical Magazine, vol. lxxii.

London Journal of Botany, vol. v.

Report . . . on the Royal Botanic Gardens and New Palm-House at Kew (for 1845), (Parl. Papers, Commons, n. 345).

1847.

Floræ Tasmaniae Spicilegium; or Contributions towards a Flora of Van Diemen's Land. By J. D. Hooker, Lond. Journ. Bot., vi. 106-125; 265-286; 461[bis]-479[bis].

Description of a New Species of *Lysipoma* [*L. muscoides*], from the Andes of Columbia. By the same, l.c., 286-287.

On the Diatomaceous Vegetation of the Antarctic Ocean. By the same, Rep. Brit. Assoc., 1847, ii., 83-85.

An Enumeration of the Plants of the Galapagos Archipelago; with Descriptions of those which are new. By the same, Trans. Linn. Soc., xx. (1847), 163-262.

Algæ Tasmanicæ: being a Catalogue of the Species of Algæ collected on the shores of Tasmania . . . with Characters of the new Species by J. D. Hooker and W. H. Harvey, Lond. Journ. Bot., vi., 397-417.

Description of *Victoria regia*, or Great Water-lily of South America. By W. J. Hooker.

This was a separate issue, on large paper, of the figures and letterpress originally published in the Botanical Magazine, plates 4275-4278. Seedlings of this plant were growing at Kew at the end of 1847, but they were never reared. (W. B. H.)

Catalogue of Mr. Geyer's Collection of Plants gathered in the Upper Missouri, the Oregon Territory, and the intervening portion of the Rocky Mountains. By W. J. H[ooker], Lond. Journ. Bot. vi. (1847), 65-79; 206-256.

Figure and Description of a new *Cardamine* from New Granada. By the same. l.c., 292-294.

Botanical Characters of a new Plant (*Isonandra Gutta*), yielding the Gutta Percha of commerce. By W. J. H[ooker], l.c., 463-465.

—— Repr. in Pharm. Journ. vii. 179-181.

—— *Transl.* Sur le Gutta Percha et la plante qui le produit. Ann. Sc. Nat. Sér. II. viii. 193-195; Journ. de Pharm. xiii. (1848), 35-36.

Botany of the Niger Expedition [in continuation of Vogel's Journal]. By W. J. Hooker and J. D. Hooker. Lond. Journ. Bot. vi., 125-139. (With list of Madeira plants by C. Lemann.)

Sur le genre *Godoya*, etc., par J. E. Planchon, l.c., 1-31.

Observations sur l'*Amoreuxia*, DC. (*Euryanthe*, Cham. et Schlecht) et description des nouveaux genres *Roucheria* et *Lobbia*, comme introduction à des mémoires distincts sur les Cochlospermées, Linées et Aristolochiacées, familles auxquelles ces genres seront respectivement rattachés. By the same, l.c., 139-146.

Sur le nouvelle famille des Cochlospermées: By the same, l.c., 294-311.

Sur la Famille des Linées. By the same, l.c., 588-603.

Botanical Magazine, vol. lxxiii.

The London Journal of Botany, vol. vi.

Guide to Kew Gardens, eds. I. and II. (title only differs).

Report . . [for 1846]. Parl. Papers, Commons, n. 229.

1848.

On the Vegetation of the Carboniferous Period, as compared with that of the present day. By **J. D. Hooker**, Geol. Surv. Mem., ii., 387-430; Edinb. New Phil. Journ., xlv., 362-369; xlvi., 73-78.

On some peculiarities on the Structure of *Stigmaria*. By the same, l.c., 431-439.

Remarks on the Structure and Affinities of some *Lepidostrophi*. By the same, l.c., 440-456.

[Descriptions of about 45 new Australian plants scattered through Mitchell's Journal of an Expedition into Tropical Australia.] By **W. J. Hooker**.

Sur la Famille des Linées : par **J. E. Planchon** (continued), Lond. Journ. Bot., vii., 165-186, 473-501, 507-528.

Botanical Magazine, vol. lxxiv.

Icones Plantarum, vol. viii.

Guide to the Gardens, eds. III. and IV.

Report [Civil Services, Estimates, 1847].

London Journal of Botany, vol. vii.

1849.

The Rhododendrons of Sikkim Himalaya. By **J. D. Hooker**.

On the probable extent of the Flora of the Coal Formation in Britain. By the same, Am. Journ. Sc., Ser. II., viii., 131-133.

(Extracted from Veget. Carboniferous Period, 1848-49.)

Notes, chiefly botanical, made during an Excursion from Darjiling to Tonglo. By the same, Journ. As. Soc. Beng., xviii., 419-446.

Niger Flora; or an enumeration of the Plants of western tropical Africa. Collected by Theodore Vogel, botanist to the Voyage of the Expedition sent by H. B. M. to the River Niger in 1841, under the command of Captain H. D. Trotter, including *Spicilegia Gorgonea* by Ph. B. Webb, and *Flora Nigritiana* by J. D. Hooker and G. Bentham, with a sketch of the Life of Dr. Vogel. By **W. J. Hooker**.

Botany. By **W. J. Hooker**. (Forms Section XII., pp. 400-422, of A Manual of Scientific Enquiry, ed. by J. F. W. Herschel.)

Jute, Fibre of *Corchorus capsularis*; Chinese Grass Cloth; Pooah, or Puya fibre of Nepal and Sikkim; Oadal, or fibre of *Sterculia villosa*; fibre of *Sterculia guttata*, Roxb.; *Musa textilis*, Fibre of the Manilla Hemp. [By **W. J. Hooker**], Kew Journ., i. 25-28.

Jute, repr. in Pharm. Journ., ix. (1850), 545, l.c., 121-123.

Piacaba; fibre and fruit of the Coquilla Nut, *Attalea funifera*, Mart. By the same.

Repr. On Piacaba and Coquilla Nuts, Pharm. Journ., ix. (1850), 431-432.

Some account of the Vegetable Ivory Palm (*Phytelephas macrocarpa*), by the same, l.c., 204-212.

Repr. in Pharm. Journ., ix. (1850), 369-375.

Putch-Pat, or Patchouli (*Pogostemon Patchouli*). By the same, l.c. 328-330.

Abstract in Pharm. Journ., ix. (1850), 282.

Description of a new Melastomaceous Plant, discovered in Jamaica, by Dr. MacFadyen. [By the same,] l.c., 379.

Botanical Magazine, vol. lxxv.

Guide to the Gardens, ed. V.

Return of the Number of Visitors . . . (Parl. Papers).

Journal of Botany and Kew Garden Miscellany, vol. i.

1850.

[Specimens communicated to the Museum at Kew by R. Spruce. By **W. J. Hooker**], Kew Journ., ii. 70-76.

Jute; *Corchorus capsularis*, L. By the same, l.c., 91-92.

African Oak (or Teak) [*Oldfieldia africana*]. [By the same], l.c., 183-186.

Eboe Nut of the Mosquito shore. [By the same], l.c., 249-250.

Chinese "Rice paper" or "Bok-Shung." [By the same], l.c., 27-29, 250-253.

Abstract in Pharm. Journ., ix., 545-546.

Description and Figure of the Cedron of the Magdalena river (*Simaba Cedron*, Planch.). By the same, l.c., 377-382. (See an additional note in the next volume, p. 59-60.)

Repr. in Pharm. Journ., x., 344-348; 472.

Botanical Magazine, vol. lxxvi.

Guide to the Gardens, ed. VIII.

Return of the Number of Visitors . . . [Parl. Papers, 1849].

Journal of Botany and Kew Garden Miscellany, vol. ii.

1851.

Great Exhibition of 1851. Report;—Jury, Class III., pp. 123-162. Report on Substances used as Food. By **J. D. Hooker**.

Victoria regia; or, Illustrations of the Royal Water Lily, in a series of figures chiefly made from specimens flowering at Syon and at Kew. By **W. Fitch**; with descriptions by **W. J. Hooker**.

An elephant folio containing four beautifully coloured plates by Fitch.

Botany. By **W. J. Hooker**. (In the Admiralty Manual of Scientific Inquiry, ed. II., p. 416-437.)

Figure and Description of a new Species of *Ranunculus* [*R. digitatus*], from the Rocky Mountains. By the same, Kew Journ., iii., 124-125.

Catalogue of Mr. Geyer's Collection of Plants gathered in the Upper Missouri, the Oregon Territory, and the intervening portion of the Rocky Mountains [continued]. By the same, l.c., 287-300.

Figures and Descriptions of two Species of *Boehmeria*, of which the fibre is extensively used in making Cloth. By the same, l.c., 312-317.
Repr. Pharm. Journ., xi., 276-278.

Botanical Magazine, vol. lxxvii.

Guide to the Gardens, ed. X.

Report . . . for . . . 1850.

Return of Number of Visitors [Parl. Papers, 1850].

Journal of Botany and Kew Garden Miscellany, vol. iii.

1852.

The Botany of the Antarctic Voyage of H.M.S. "Erebus" and "Terror." By J. D. Hooker. II. Flora Novæ-Zelandiæ, Parts 1 and 2, pp. 1-80.

On the Climate and Vegetation of the temperate and cold regions of East Nepal and the Sikkim Himalaya Mountains. By the same, Journ. Hort. Soc., vii., 69-131.

Description of a new Species of *Amomum* [*A. Danielli*] from Tropical West Africa. By the same, Kew Journ., iv. (1852), 129-130.

Reprinted as *Amomum Granum-paradisi*; Grains of paradise Amomum, or Mellegetta Pepper, in Pharm. Journ., xii., 192-194.

Description du *Barclaya longifolia*, Wall., de la famille des Nymphéacées. By W. J. Hooker. Ann. Sc. Nat., sér. III., xvii., 301-304.

On the Chinese Rice Paper. By the same, Kew Journ., iv., 50-54.

Notice of a new species of *Deparia*, discovered by Charles Moore, in New Caledonia. [By the same], l.c., 54-56.

Notice of a new species of *Dammara*, detected by Mr. Charles Moore in La Peyrouse's Island. By the same, l.c., 115-116.

Kew Gardens Museum. Tallow-tree, and Insect Wax of China; Pe-la, or Insect-wax. [By the same], l.c., 150-154.

On the Camphor-tree of Borneo and Sumatra, *Dryobalanops Camphora*, Coleb. By the same, l.c., 200-206; 285.

Repr. Pharm. Journ., xii., 300-302.

Paper of Daphne Laurel (Spurge Laurel). [By the same], l.c. 312-313.

Gynerium saccharoides. [By the same], l.c., 313-314.

Cosciniscium [i.e., *Coscinium*] *fenestratum*, (False Calumba-root). By the same, Pharm. Journ., xii., 185-188.

The Botany of the Voyage of H.M.S. "Herald," under the command of Captain Henry Kellett, during the years 1845-51. By B. Seemann.

Part 1. The publication was completed in 1857.

Botanical Magazine, vol. lxxviii.

Icones Plantarum, vol. ix.

Guide to the Gardens, ed. XI.

Report, . . for . . 1851.

Journal of Botany and Kew Garden Miscellany, vol. iv.

1853.

The Botany of the Antarctic voyage of H.M.S. "Erebus" and "Terror." By J. D. Hooker. II. Flora Novæ Zelandiæ. Parts 3 and 4, pp. 81-160.

On a new Genus [*Milligania*], and some new Species of Tasmanian plants. By the same, Kew Journ., v. 296-300.

Botanical Expedition to Oregon. [By the same], l.c., 315-317; 395.

On the Distribution and organic contents of the "Ludlow Bone Bed" in the districts of Woolhope and May Hill. With a note on the seed-like bodies found on it. By J. D. Hooker, and H. E. Strickland, Geol. Soc. Journ., ix., 8-12.

The Rice-Paper Plant. [By W. J. Hooker], Kew Journ., v., 79-84.

Rhododendrons of Sikkim-Himalaya. [By the same], l.c., 152-154.

Botanical objects communicated to the Kew Museum from the Amazon River in 1851, by Richard Spruce, Esq. [By the same], l.c., 169-177; 238-247.

Notice of two new Ferns from China. By the same, l.c., 236-238.

Catalogue of Mr. Geyer's Collection . . . (continued). By the same, l.c., 257-265.

Description and Figure of a new Fern from Malacca [*Polypodium lobbianum*]. By the same, l.c., 309-311.

Kew Gardens Museum; or, a Notice of the Origin, and some of the contents of the Museum of Economic Botany attached to the Royal Gardens, Kew. By the same, l.c., 329-337; 381-389.

On a new Species of *Horkelia*, from the Upper Platte River. By the same, l.c., 341-342.

Description of a new Species of *Eriogonum*, discovered in California by Mr. Jeffrey. By the same, l.c., 395-366.

Notes on Flowering Plants and Algæ, collected during the voyage of the "Isabel." By Sir W. J. Hooker and G. Dickie.

Forms pp. 133-114 of "A Summer Search for Sir John Franklin," by Comm. E. A. Inglefield, &c. (Reprinted in "Manual . . . for use of Arctic Expedition of 1875," p. 239.)

Catalogue of hardy Herbaceous Plants in the Royal Gardens of Kew.
By **J. C. Niven**.

An enumeration of upwards of 6,000 species, prepared by the Foreman of the Herbaceous Department for the purpose of exchange with other establishments. (W. B. H.)

Botanical Magazine, vol. lxxix.

Report . . . for . . . 1852.

Journal of Botany and Kew Garden Miscellany, vol. v.

1854.

The Botany of the Antarctic Voyage of H.M. ships "Erebus" and "Terror." By **J. D. Hooker**. II. Flora Novæ-Zelandiæ. Parts 5 and 6, pp. 161-240.

Himalayan Journals; or, Notes of a Naturalist in Bengal, the Sikkim and Nepal Himalayas, the Khasia Mountains, &c. With maps and illustrations. By the same. 2 vols.

Notes on the Fossil Plants from Reading. By the same, Geol. Soc. Journ., x., 163-166.

On a new species of *Volkmania* (*V. Morrisii*). By the same, l.c., 199-202.

On some species of *Amomum*, collected in Western Tropical Africa, by Dr. Daniel. By the same, Kew Journ., vi., 289-297.

On the Functions and Structure of the Rostellum of *Listera ovata*. By the same, Phil. Trans., cxliv., 259-264.

Transl. Les fonctions et la structure du Rostellum dans le *Listera ovata*, Ann. Sc. Nat. sér IV., iii., 85-90.

On the Structure and Affinities of *Trigonocarpon* (a Fossil Fruit of the Coal-Measures). By the same, Proc. Roy. Soc., vii., 28-31; Ann. & Mag. Nat. Hist., ser. II., xiv., 209-212.

On *Maddenia* and *Diplarche*, new Genera of Himalayan Plants. By **J. D. Hooker** and **T. Thomson**, Kew Journ., vi., 380-384.

A Century of Ferns; being figures with brief Descriptions of one Hundred new or rare, or imperfectly known Species of Ferns, from various parts of the World. A selection from the Author's "Icones Plantarum." By **W. J. Hooker**.

A separate issue of the tenth volume of Hooker's Icones Plantarum. The "Second Century of Ferns" (1860), was a distinct publication.

Kew Garden Museum, &c. (continued). By the same, Kew Journ., vi., 10-26.

Jumping, or Moving Seeds. [By the same], l.c., 304-306.

Pine-leaf Fibre of Silesia and the Bahamas. [By the same], l.c., 90-93.

On the "Argan" Tree of Marocco (*Argania Sideroxylon*) By the same, l.c., 97-107.

Botanical Magazine, vol. lxxx.

Icones Plantarum, vol. x.

Report . . . 1853.

Journal of Botany and Kew Garden Miscellany, vol. vi.

1855.

On the South American Triurideæ and leafless Bromeliaceæ from the collections of Mr. Spruce. By G. Bentham. Kew Journ., vii., 8-17.

Florida Hongkongensis, an enumeration of the Plants collected in the Island of Hongkong. By Major J. G. Champion, . . . the descriptions revised, and the new species described by G. B.—Monocotyledons, Lc., 33-39.

Additional note on *Acrida Agrippæ*. By the same, l.c., 177-179 (cf., viii. (1856) 380).

Notes on the Range of *Komarovia*, *Metasequoia palpestris*. By the same, l.c., 353-357.

The Botany of the Antarctic Voyage of H.M.S. "Erebus" and "Terror". . . . By J. D. Hooker. II. Flora New-Zealandiæ. Parts 7 & 8 (and last), pp. 241-312. III. Flora Tasmaniæ, Part I.

Illustrations of Himalayan plants, chiefly selected from drawings made for the late J. F. Calvert, Esq., of the Bengal Civil Service. By the same.

On some minute seed-vessels [*Carpollites Oculum*, Brongn.] from the Eocene beds of Lewisham. By the same, Geol. Soc. Journ., xi., 562-565.

On some small seed-vessels [*Folliolites minutulus*, Brongn.] from the Bovey Tracey Coal. By the same, l.c., 566-570.

On *Charridea*, a subgenus of *Flapellaria*, from the Isle of Pines (New Caledonia). By the same, Kew Journ., vii., 198-200.

On the structure of certain Limestone nodules enclosed in seams of Bituminous coal, with a description of some *Trigonocarpus* contained in them. By J. D. Hooker and E. W. Binney. Phil. Trans., cxlv., 149-156.

Flora Indica; being a systematic account of the plants of British India, &c. By J. D. Hooker and T. Thomson, vol. i.

On *Eriophanthus himalaicus* and *Cassiope selaginoides*, two new species of Himalayan Ericaceæ. By the same, Kew Journ., vii., 124-126.

On two Fibres from Brazil: by T. C. Archer; with a Note by W. J. Hooker. Kew Journ., vii., 84-87.

The note constitutes four-fifths of the article.

Kew Gardens Museum, &c. (continued). By the same. Kew Journ., vii., 97-114; 129-138.

Botanical Objects . . . Kew Museum . . . in 1853, &c. By the same, l.c., vii., 209-210; 245-252; 273-278.

Asplenium fontanum, Br., a British plant. By the same, l.c., 340-343.

Catalogue of Mr. Geyer's Collections (continued). By the same, l.c., 371-378.

Botanical Magazine, vol. lxxxi.

Guide to the Gardens, ed., XIII.

Report, . . . 1854.

Journal of Botany and Kew Garden Miscellany, vol. vii.

Museum of Economic Botany : a Guide to the Museum, &c.

1856.

Description of two American Species of *Gnetum*. By G. Benthham. Kew Journ., viii., 357-359.

Notes on Loganiaceæ. By the same, Journ. Linn. Soc., i., 52-114.

The Botany of the Antaretic Voyage of H.M.S. "Erebus" and "Terror." By J. D. Hooker. III., Flora Tasmania, parts 2 and 3.

On some Collections of Arctic Plants chiefly made by Dr. Lyall, Dr. Anderson, Herr Miertsching, and Mr. Rac, during the Expeditions in search of Sir John Franklin, under Sir John Richardson, Sir Edward Belcher, and Sir Robert M'Clure. By J. D. Hooker, Journ. Linn. Soc., i., 114-124.

On the Botany of Raoul Island, one of the Kermadec group in the South Pacific Ocean. By the same, l.c., 125-129.

Based on a collection of plants made by Mr. MacGillivray, Naturalist to H.M.S. "Herald."

On the structure and affinities of Balanophoreæ. By the same, Trans. Linn. Soc., xxii. (1856), 1-68.

Catalogue of Mr. Geyer's plants (continued), by W. J. Hooker, Kew Journ., viii., 16-19.

Use of *Scirpus lacustris* (Bullrush) in South America. By the same, l.c., 20-21.

Agave americana in Devonshire. By the same, l.c., 26-27.

Balsam-bog (*Bolax glebaria*, Comm.). By the same, l.c., 74-80.

The Mammoth Tree (*Sequoia gigantea*). [By the same], l.c., 150-151.

Ensete of Bruce. [By the same], l.c., 210-214.

The Soap-Plant of California. [By the same], l.c., 317-319.

Cuba Bast in Jamaica. [By the same], l.c., 347-350.

Jersey Cabbages. [By the same], l.c., 350-351.

Odal oil. [By the same], l.c., 378.

On *Polypodium anomalum*; a new Species of Fern, bearing its Sori on the upper side of the Frond. By the same, l.c., 360-362.

Catalogue of the Ferns in the Royal Gardens of Kew, prepared by J. Smith, Curator, for the purpose of exchange with other gardens.

Botanical Magazine, vol. lxxxii.

Guide to the Gardens, ed. XIV.

Report . . for . . 1855.

Journal of Botany and Kew Garden Miscellany, vol. viii.

Catalogue of certain succulent Plants (viz., Cactaceæ, the genera *Mesembryanthemum* and *Aloë*) in the Royal Gardens of Kew. For the purpose of exchange with other gardens.

1857.

On Professor Nees von Eschbeck's Genera of Acanthaceæ, in the eleventh volume of De Candolle's Prodrômus. By G. Bentham, Kew Journ., ix., 75-78.

Memorandum on the Principles of Generic Nomenclature in Botany. By the same, Journ. Linn. Soc., ii., 30-33.

On *Brachynema* and *Phoxanthus*, two new Genera of Brazilian plants. By the same, Trans. Linn. Soc., xxii., 125-128.

The Botany of the Antarctic Voyage of H.M.S. "Erebus," and "Terror." By J. D. Hooker. III., Flora Tasmania, parts 4 and 5.

Descriptions of two new Dilleniaceæ Plants from New Caledonia and Tropical Australia. By the same, Kew Journ. ix., 47-49.

On *Notospartium*, a new genus of Leguminosæ, from New Zealand. By the same, l.c., 176-177.

On *Loxodiscus*, a new genus of Sapindaceæ from New Caledonia. By the same, l.c., 200-201.

On a new species of *Diapensia*, from the Eastern Himalaya. By the same, l.c., 372-373.

On the Growth and Composition of the Ovarium of *Siphonodon celastrineus*, Griffith, especially with reference to the subject of its Placentation. By the same, Trans. Linn. Soc., xxii., 133-139.

On *Bryocarpum*, a new genus of Himalayan Primulaceæ. By J. D. Hooker and T. Thomson, Kew Journ., ix., 199-200.

On three new Indian Scrophularineæ. By the same, l.c., 243-246.

Præcursores ad Floram Indicam; being Sketches of the Natural Families of Indian Plants, with Remarks on their Distribution, Structure, and Affinities.—Stylidiæ, Goodenoviæ, Campanulaceæ. By the same, Journ. Linn. Soc. ii., 1-29.

— Saxifrageæ, Crassulaceæ, Droseraceæ, Parnassiæ, Grossulariæ, Hamamelideæ, and Philadelphiæ. l.c., 54-103.

Paris Universal Exhibition. Report on Vegetable Products obtained without cultivation. By W. J. Hooker.

Scientific Exploring Expeditions of the British Government. [By **W. J. Hooker**], *Kew Journ.*, ix. (1857), 121–123.

On the Palmite of South Africa. By the same, l.c., 173–175.

On *Asplenium* (§ *Schaffneria*) *nigripes*, a Mexican, and on *Davallia-nodosa*, an Indian Fern. By the same, l.c., 268–272.

Mr. Wilford's Botanical Mission to the Chinese Seas. By the same, l.c., 273–274.

Flora of the British West Indian Islands; by Dr. Grisebach [notice of the work, and letters from Sir **W. J. Hooker** and others], l.c., 274–279.

Florula Hongkongensis: . . The Filices. By **W. J. Hooker**, l.c., 333–344; 353–363.

Note of the editor [**W. J. Hooker**], l.c., 383–384. (A short history of the various journals edited by him.)

British North-American Exploring Expedition [with Instructions to the Collector]. By **W. J. Hooker** and **J. D. Hooker**. *Kew Journ.*, ix., 213–219, 311.

The Botany of the Voyage of H.M.S. “Herald.” By **B. Seemann**. Last part; the first part was issued in 1852.

Cultivated Ferns; or, a Catalogue of Exotic and Indigenous Ferns cultivated in British Gardens, with Characters of the Genera, Principal Synonyms, etc. By **J. Smith**.

Botanical Magazine, vol. lxxxiii.

Guide to the Gardens, ed. XV.

Report, . . . for . . . 1856.

Journal of Botany and Kew Garden Miscellany, vol. ix.

1858.

Handbook of the British Flora: a description of the flowering plants and ferns indigenous to, or naturalized in, the British Isles. By **G. Bentham**.

Synopsis of Legnotideæ, a tribe of Rhizophoraceæ. By the same, *Journ. Linn. Soc.*, iii., 65–80.

Synopsis of the Compound Sphæriæ of the Hookerian Herbarium. By **F. Currey**, *Trans. Linn. Soc.*, xxii., 257–287.

The Botany of the Antarctic voyage of H.M.S. “Erebus” and “Terror.” . . . By **J. D. Hooker**. III., *Flora Tasmaniæ*, parts 6 & 7.

Præcursores ad Floram Indicam . . . Caprifoliaceæ. By **J. D. Hooker** and **T. Thomson**, *Journ. Linn. Soc.*, ii., 163–180.

Enumeratio Plantarum Zeylanicæ: an Enumeration of Ceylon plants, with Descriptions of the new and little known Genera and Species, observations on their habitats, uses, and native names. By **G. H.**

K. Thwaites. Assisted in the identification of the species and synonymy, by **J. D. Hooker.** Part i., 1-80.

With the exception of Moon's very incomplete catalogue of 1824, no work professing to be a complete enumeration of the plants since the appearance of Linnaeus's "*Flora Zeylanica*," in 1747. It includes 2832 flowering plants and vascular cryptogams, and is supplemented by Dr. Trimen's catalogue of 1885.

This was issued in five parts, and completed in 1864. (W. B. H.)

Botanical Magazine, vol. lxxxiv.

Guide to the Gardens, ed. XVI.

Report, . . . for . . . 1857.

1859.

Martius, *Flora Brasiliensis*. Leguminosæ. I. Papilionaceæ, xv., pars I. (pp. 1-216). Auctore **G. Benth.**

On the genus *Henriquezia* of Spruce. By the same, *Trans. Linn. Soc.*, xxii., 295-298.

Synopsis of the Fructification of the Simple Sphæriæ of the Hookerian Herbarium. By **F. Currey**, *Trans. Linn. Soc.*, xxii. 313-335.

The Botany of the Antarctic Voyage of H.M.S. "*Erebus*" and "*Terror*." By **J. D. Hooker**. III. *Flora Tasmania*, parts 8-11 (and last).

On the Origin and Development of the Pitchers of *Nepenthes*, with an Account of some new Bornean Plants of that Genus. By the same, *Trans. Linn. Soc.*, xxii., 415-424.

On a new Genus of Balanophoreæ [*Dactylanthus*], from New Zealand, and Two new Species of *Balanophora*. By the same, *l.c.*, 425-427.

Præcursores ad Floram Indicam.—Balsamineæ. By **J. D. Hooker** and **T. Thomson**, *Journ. Linn. Soc.*, iv., 106-157.

Botany. By **W. J. Hooker**, assisted by **D. Hanbury**; in *Admiralty Manual of Scientific Enquiry*, ed. III., by **R. Main**. Art. XV., pp. 413-439.

Filices Exoticae; or, Figures and Descriptions of Exotic Ferns; chiefly of such as are cultivated in the Royal Gardens of Kew. 100 coloured plates by **W. Fitch**. By **W. J. Hooker**.

Musci Indiæ Orientalis; an Enumeration of the Mosses of the East Indies. By **W. Mitten**, *Journ. Linn. Soc.*, iii., Suppl. i., 1-158.

The Indian Species of *Utricularia*. By **D. Oliver**, *Journ. Linn. Soc.*, iii., 170-190.

Observations on the Structure of the Stem in certain Species of the Natural Orders Caryophyllæ and Plumbagineæ. By the same, *Trans. Linn. Soc.*, xxii., 289-294.

Enumeratio Plantarum Zeylanicæ. By **G. H. K. Thwaites**. Part 2, pp. 81-160.

Botanical Magazine, vol. lxxxv.

Report, . . . for . . . 1858.

Report, from 1853 to 1859.

1860.

Florula Adenensis. A systematic account with descriptions of the Flowering Plants hitherto found at Aden. By T. Anderson, Journ. Linn. Soc., v., Suppl. i.

Flora Tasmaniae. By J. D. Hooker. (Date on title page; issued in parts, 1855-59.)

The monstrous *Begonia frigida* at Kew in relation to Mr. Darwin's "Theory of Natural Selection." By the same, Ann. and Mag. Nat. Hist., Ser. III., v., 350-352.

On the Origination and Distribution of Species. Introductory Essay to the Flora of Tasmania. By the same. Reprinted in Am. Journ. Sc., Ser. II., xxix., 1-25, 305-326.

On the species of *Cordyline* now in cultivation from New Zealand and Australia. By the same, Gard. Chron. (1860), 791-792.

Illustrations of the Floras of the Malayan Archipelago and of Tropical Africa. By the same, Trans. Linn. Soc., xxiii., 155-172.

A second Century of Ferns. By W. J. Hooker.

An octavo volume; the drawings by W. Fitch. The first "Century of Ferns" formed the tenth volume of Hooker's "Icones Plantarum."

On some new species of Musci and Hepaticæ in the Herbarium of Sir W. J. Hooker, collected in Tropical Africa, &c. By W. Mitten, Trans. Linn. Soc., xxiii., 51-58.

On *Sycopsis* [a new genus of Hamamelideæ]. By D. Oliver, Trans. Linn. Soc., xxiii., 83-89.

Enumeratio Plantarum Zeylanicæ. By G. H. K. Thwaites. Part 3, pp. 161-240.

Botanical Magazine, vol. lxxxvi.

Guide to the Gardens, ed. XIX.

Report . . for . . [1859].

1861.

Flora Hongkongensis; a description of the flowering plants and ferns of the Island of Hongkong. By G. Benthham.

Outlines of Elementary Botany, as introductory to local Floras. By the same.

(Reprinted from the Introduction to the preceding work.)

On the Species and Genera of plants, considered with reference to their practical application to Systematic Botany. By the same, Nat. Hist. Review, 1861, 133-151.

Notes on Ternstroemiaceæ. By the same, Journ. Linn. Soc., v., 53-65.

Notes on Anonaceæ. By the same, l.c., 67-72.

Botanical Memoranda. By the same, l.c., 72-78.

On *Fissicalyx*, a new Genus of Dalbergiæ. By the same, l.c., 78-79.

Notes on Menispermaceæ. By the same, l.c., Suppl. II., 45-52.

Notes on Tiliaceæ. By the same, l.c., 52-74.

Notes on Bixaceæ and Samydaceæ. By the same, l.c., 75-94.

On *Fissicalyx* and *Prioria*, two recently established Genera of Leguminosæ. By the same, Trans. Linn. Soc., xxiii., 389-391.

Catalogue of Japan Plants. By A. A. Black.

The able but prematurely deceased curator of the Herbarium published little, though he left a good record in the Herbarium itself. This list, comprising 1,600 species of flowering plants and ferns, appeared in Hodgson's "Japan." Since that date the number of known Japanese plants has about doubled. (W. B. H.)

On *Fropiera*, a new Mauritian Genus of Calycifloral Exogens, of doubtful affinity. By J. D. Hooker. Journ. Linn. Soc., v. 1-2.

On *Barteria*, a new Genus of Passifloræ from the Niger River. By the same, l.c., 14-15.

An Account of the Plants collected by Dr. Walker in Greenland and Arctic America, during the expedition of Sir Francis M'Clintock, R.N., in the yacht "Fox." By the same, l.c., 79-89.

Outlines of the Distribution of Arctic Plants. By the same, Trans. Linn. Soc., xxiii. (1861), 251-348.

On Three Oaks of Palestine. By the same, l.c., 381-387.

Notice sur les espèces de *Cordyline* de la Nouvelle Zélande et de l'Australie. Par [le même]. Traduit . . . par G. Barlet. Belg. Hortie., xi., 66-70.

(For the original, see under 1860.)

Præcursores ad Floram Indicam.-Cruciferae. By J. D. Hooker and T. Thomson, Journ. Linn. Soc., v. 128-181.

The British Ferns; or, coloured Figures and Descriptions, with the needful Analyses of the Fructifications and Venation, of the Ferns of Great Britain and Ireland, systematically arranged. By W. J. Hooker. The drawings by W. Fitch.

Commercial products of the Asphodel. By the same, [from The Technologist.] Pharm. Journ., ser. II., iii., 24.

Hepaticæ Indiæ Orientalis: an Enumeration of the Hepaticæ of the East Indies. By W. Mitten, Journ. Linn. Soc., v., 89-128.

Notes on Aurantiaceæ. By D. Oliver, Journ. Linn. Soc., v., Suppl. II., 1-44.

Enumeratio Plantarum Zeylanicæ. By G. H. K. Thwaites. Part 4, pp. 241-320.

Botanical Magazine, vol. lxxxviii.

Guide to the Museum. By **D. Oliver**.

Report . . for . . [1860].

1862.

Martius, *Flora Brasiliensis*. Leguminosæ. I. Papilionaceæ, xv., pars I. (p. 217-end). Auctore **G. Benth**am.

Notes on Caryophyllæ, Portulacæ, and some allied Orders. By the same, *Journ. Linn. Soc.*, vi., 55-77.

Notes on Malvaceæ and Sterculiaceæ. By the same, l.c., 97-123.

On *Inocarpus*. By the same, l.c., 146-150.

On African Anonaceæ. By the same, *Trans. Linn. Soc.*, xxiii., 463-480.

[Address to the Linnean Society.] By the same, *Proc. Linn. Soc.*, 1861-62, pp. lxvi.-lxxxiii.

Genera Plantarum ad Exemplaria imprimis in Herbariis Kewensibus servata definita, auctoribus **G. Benth**am et **J. D. Hooker**. Vol. i., pars I., came out in this year; the last part appearing in 1883.

Florula Mallica. By **M. P. Edgeworth**, *Journ. Linn. Soc.*, vi., 179-210.

On the Vegetation of Clarence Peak, Fernando Po; with Descriptions of the Plants collected by Mr. Gustav Mann on the higher parts of that mountain. By **J. D. Hooker**, *Journ. Linn. Soc.*, vi., 1-23.

On the Cedars of Lebanon, Taurus, Algeria, and India. By the same, *Nat. Hist. Review*, 1862, p. 11-18.

Garden Ferns. By **W. J. Hooker**. The drawings by **W. Fitch**.

The Atlantis Hypothesis in its Botanical Aspect. By **D. Oliver**, *Nat. Hist. Review* (1862), 149-170.

The Structure of the Stem in Dicotyledons. By the same, l.c., 298-329.

On the Distribution of Northern Plants. By the same, *Proc. R. Inst.*, iii., 431-433; *Geologist*, v. (1863), 262-263.

Note on the Structure of the Anther. By the same, *Trans. Linn. Soc.*, xxiii., 423-428.

Note on *Hamamelis* and *Loropetalum*; with a Description of a new *Anisophyllea* from Malacca. By the same, l.c., 457-461.

Viti: an Account of a Government Mission to the Vitian and Fijian Islands in the years 1860-61. By **B. Seemann**.

Botanical Magazine, vol. lxxxviii.

Guide to the Gardens, ed. XXI.

Guide to the Museums (re-issue).

Report. . . for . . 1861. (Also reprinted in folio.)

1863.

An Enumeration of the Species of Acanthaceæ from the Continent of Africa and the adjacent islands. By **T. Anderson**, Journ. Linn. Soc., vii., 13-54.

[Address to the Linnean Society.] By **G. Bentham**, Proc. Linn. Soc., 1862-63, pp. xi.-xxix.

Flora Australiensis: a Description of the Plants of the Australian Territory. Vol. i. By **G. Bentham**, assisted by **F. Mueller**.

The first volume was issued in this year, and the seventh and last in 1878.

On the Nardoo Plant of Australia. By **F. Currey**, Journ. Bot., i., 161-167.

Notes on apparently useful Woods hitherto little known. By **J. R. Jackson**. Technologist, iii., 49.

Notes on the Economic Application of Barks. By the same, l.c., 362, 433, 530.

Account of the Botanical Collections made by **D. Lyall** [by himself]. Journ. Linn. Soc., vii., 124-144.

On *Anisostichium*, a proposed new Genus of Musci. By **W. Mitten**, Journ. Linn. Soc., vii., 119-120.

On the Musci and Hepaticæ from the Cameroons Mountain and from the River Niger. By the same, l.c., 147-169.

Notes on the Loranthaceæ, with a Synopsis of the Genera. By **D. Oliver**, Journ. Linn. Soc., vii., 90-106.

The Structure of the Stem in Dicotyledons [Part II.]. By the same, Nat. Hist. Review (1863), 251-258.

The *Solana* of Tropical Polynesia. By **B. Seemann**, Journ. Bot., i., 206-211.

Botanical Magazine, vol. lxxxix.

Guide to the Gardens, by **D. Oliver**, ed. XXII.

Guide to the Museum, ed. II.

Report . . . for . . . 1862.

1864.

Flora of the Jhelum District of the Punjab. By **J. E. T. Aitchison**, Journ. Linn. Soc., viii., 55-75.

Flora Australiensis. By **G. Bentham**, vol. ii.

[Address to the Linnean Society.] By the same, Proc. Linn. Soc., 1863-64, pp. ix.-xxiii.

Flora of the British West Indian Islands. By **H. R. A. Grisebach**.

Completed in this year; title page dated 1864; but the work was issued in seven parts, the first appearing in 1859.

On the Plants of the Temperate Regions of the Cameroons Mountains and Islands in the Bight of Benin, collected by Mr. Gustav Mann,

Government Botanist. By J. D. Hooker. Journ. Linn. Soc., vii., 171-240.

On the Identity of *Pinus Peuce*, Griseb., of Macedonia, with the *P. excelsa* of the Himalaya Mountains. By the same, viii., 145-147.

Note on the replacement of Species in the Colonies and elsewhere. By the same. Nat. Hist. Review (1864). 123-127.

On *Welwitschia*, a new Genus of Gnetaceæ. By the same, Trans. Linn. Soc., xxiv., 1-48.

Handbook of the New Zealand Flora. Part I. (Vasculares). By the same.

Description of a new genus of Scrophularinæ [*Brandisia*] from Martaban. By J. D. Hooker, and T. Thomson, Journ. Linn. Soc., viii., 11-12.

Notes on some of the edible fruits of the West Indies. By J. R. Jackson, Technologist, iv., p. 264.

Notes on some African Vegetable Products. By the same, l.c., 471.

On a New Genus of Hepaticæ [*Adelanthus*]. By W. Mitten, Journ. Linn. Soc., vii., 243-244.

Contributions to the Cryptogamic Flora of the Atlantic Islands. By the same, l.c., viii., 1-10.

The "Bryologia" of the Survey of the 49th Parallel of Latitude. By the same, l.c., 12-55.

On some Species of Musci and Hepaticæ, additional to the Floras of Japan and the coast of China. By the same, l.c., 148-158.

Lessons in Elementary Botany. By D. Oliver. (Reprinted at intervals.)

Note on the Structure and Mode of Dehiscence of the Legumes of *Pentaclethra macrophylla*, Benth. By the same, Trans. Linn. Soc., xxiv., 415-420.

Enumeratio Plantarum Zeylanicæ. . . . By G. H. K. Thwaites, Part 5 (and last), pp. 321-483, title, &c.

Botanical Magazine, vol. xc.

Report . . . for . . . 1863.

1865.

Handbook of the British Flora . . . with (1295) illustrations from original drawings by W. Fitch. [Ed. II.] by G. Bentham.

On the Genera *Sweetia*, Sprengel, and *Glycine*, Linn., simultaneously published under the name of *Leptolobium*. By the same, Journ. Linn. Soc., viii., 259-267.

Notes on *Pueraria*, DC., correctly referred by the author to Phaseolæ. By the same, l.c., ix., 121-125.

Note on the Genera *Darwinia*, Rudge, and *Bartlingia*, Ad. Brongn. By the same, l.c., 176-182.

The ancient and modern Floras of Montpellier. By the same, Nat. Hist. Review (1865), 202-225.

Description of some New Genera and Species of Tropical Leguminosæ. By the same, Trans. Linn. Soc., xxv., 297-320.

[Address to the Linnean Society.] By the same, Proc. Linn. Soc., 1864-65, pp. ix.-lxxxiii.

Supplementary observations on the Sphæriæ of the Hookerian Herbarium. By F. Currey, Trans. Linn. Soc., xxv. 239-262.

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The Oleasters. By **G. Nicholson**, Garden, xli., 352-353.

The Skimmias. By the same, l.c., xlii., 133.

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Perennial Sunflowers. By D. Dewar, Journ. R. Hort. Soc., N.S., xv., 26-38.

Report on Asters, mostly known as Michaelmas Daisies. By the same, l.c., 238-246.

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Index Kewensis: plantarum phanerogamarum nomina et synonyma omnium generum et specierum a Linnaeo usque ad annum 1885 complectens; nomine recepto, auctore, patria unicuique plantæ subjectis. Sumptibus beati C. R. Darwin, ductu et consilio J. D. Hooker, confecit B. D. Jackson. Fasc. 1 & 2 (Tomus i.).

On *Trichosphæria Sacchari*, Massee; a Fungus causing a Disease of the Sugar-cane. By G. Massee, Ann. Bot., vii., 515-532.

On *Clerodendron trichotomum*. By G. Nicholson, Garden, xliii., 504-505.

The Genistas. By the same, l.c., 212-213.

The Stuartias. By the same, l.c., 172-173.

The Cornels or Dogwoods. By the same, l.c., 152-154.

Lilies at Kew. By the same, Garden and Forest, vi., 413-415. Repr. in Gard. Chron., Ser. III., xiv., 616-618.

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Hybrid Odontoglossums. By the same, l.c., 142-144, 170-174, 201-206, 275-278, 331-334.

Eulophiella Elisabethæ. By the same, l.c., 207-208.

Brassia bidens. By the same, l.c., 208.

Lælio-Cattleya × *elegans*, and *L.* × *schilleriana*. By the same, l.c., 235-238.

Stanhopea inodora and *S. graveolens*. By the same, l.c., 258.

Satyrium Guthriei. By the same, l.c., 269-270.

Galeandra nivalis. By the same, l.c., 274.

Hybrid *Oncidiums*. By the same, l.c., 298-302.

On the Secondary Tissues in certain Monocotyledons. By D. H. Scott and G. Brebner, *Ann. Bot.*, vii., 21-62.

On the Pitchers of *Dischidia rafflesiana* (Wall.). By D. H. Scott and E. Sargent, *Ann. Bot.*, vii., 244-269.

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Captain William Dampier as a Botanist. By the same, l.c., 429-434, 464.

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Neuwiedia Lindleyi. By the same, l.c., 70-72.

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M. Barbosa Rodrigues's Brazilian Cattleyas. By the same, l.c., 206-207.

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The "Sleepy disease" of Tomatos. By the same, l.c., 707-708.

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- The Magnolias. By the same, Gard. Chron., Ser. III., xvii., 515-516.
- An account of the genus *Argemone*. By D. Prain, Journ. Bot., xxxiii., 129-135, 176-178, 207-209, 307-312, 325-333, 363-371.
- List of Garden Orchids (*continued*). By R. A. Rolfe, *Galeandra, Cyrtopera*. Gard Chron., Ser. III., xviii., 580-581.
- Cypripedium* \times *siamense*. By the same, Orch. Rev., iii., 20-21.
- Mexican hybrid *Lælias*. By the same, l.c., 45-48.
- Are *Stelis* flowers irritable? By the same, l.c., 56-57.
- Hybrid *Selenipediums*. [By the same], l.c., 75-80.
- Cattleya aurantiaca*. By the same, l.c., 83-84.
- Catasetum* \times *splendens* (*continued*). By the same, l.c., 85-86.
- Cattleya Triancæ* and its varieties. By the same, l.c., 114-119.
- Notes on the genus *Catasetum*. By the same, l.c., 138-143.
- Cynoches egertonianum*. By the same, l.c., 233-236.
- Cynoches Warscewiczii* and *C. aureum*. By the same, l.c., 263-264.
- Cattleya*. What constitutes a species? [By the same], l.c., 266-270.
- Vanillas of Commerce. [By the same], l.c., 308-311.
- Hybrid *Odontoglossums*. By the same, l.c., 325-329.
- Oncidium spilopterum*. By the same, l.c., 331-332.
- Masdevallia trinema*. By the same, l.c., 335-336.
- Oncidium gravesianum*. By the same, Rev. Hort. Belge, xxi., 73.
- Descriptions in *Reichenbachia*, ii. By the same.
- Pedaliaceæ, von O. Stapf, Engler u. Prantl, Naturl. Pflanzenfam. Lief. 115-116, pp. 253-269.
- Streptocarpus Dyeri*. By W. Watson. Garden and Forest, viii., 5-6.
- The "Spot" Disease of Orchids. By the same, l.c., 433-434.
- Stapelia gigantea*. [By the same], l.c., 514, 515.
- Pandanus odoratissimus*. By the same, Gard. Chron., Ser. III., xvii., 17.
- Giant Cacti at Kew. By the same, l.c., xviii., 190.
- Begonia Disease. By the same, l.c., 544.
- Orchids, their culture and management. By W. Watson, assisted by W. Bean, ed. II.
- Further Observations on the Organization of the Fossil Plants of the Coal-measures. Part II. The Roots of *Calamites*. By W. C. Williamson, and D. H. Scott, Phil. Trans., clxxxvi., B. 683-701.

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Hand-list of Herbaceous Plants cultivated in the Royal Gardens.

Botanical Magazine, vol. cxxi.

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Guide to the Museums. No. 2.

Hand-list of Trees and Shrubs. Part I. Polypetalæ.

Hand-list of Ferns and Fern Allies cultivated in the Royal Gardens.

Bulletin of Miscellaneous Information. Nos. 97-108. App. I.-III.

The Journal of the Kew Guild. [iii.]

DXLII.—MISCELLANEOUS NOTES.

MR. WILLIAM THORPE, a member of the gardening staff at Kew, has been appointed a propagator at the Botanic Gardens at Durban, in the Colony of Natal. He left for South Africa on December 5, 1896.

Visitors during 1896.—The number of persons who visited the Royal Gardens during the year 1896 was 1,396,875. That for 1895 was 1,407,369. The average for 1886-95 was 1,425,526. The total number on Sundays was 536,181, and on weekdays 855,715. The maximum number of visitors on any one day was 86,399 on May 25, and the smallest 62 on March 18.

The detailed monthly returns are given below :—

January	-	-	-	-	20,378
February	-	-	-	-	27,782
March	-	-	-	-	33,648
April	-	-	-	-	199,327
May	-	-	-	-	300,353
June	-	-	-	-	203,305
July	-	-	-	-	202,261
August	-	-	-	-	264,543
September	-	-	-	-	73,397
October	-	-	-	-	33,670
November	-	-	-	-	23,074
December	-	-	-	-	15,137
Total					1,396,875

Botanical Magazine for December.—The number for this month concludes the 122nd volume of the work, which is dedicated to Mr. Gustav Mann, late Assistant Conservator of Forests, Assam. The plants figured are: *Grammatophyllum rumphianum*, *Prunus subhirtella*, *Coriaria japonica*, *Cypripedium Exul*, and *Iris albopurpurea*. The *Grammatophyllum* is a robust orchid from the Moluccas and Borneo. Two plants were received at Kew, one from Mr. C. Ford, F.L.S., Superintendent of the Botanic Gardens, Hongkong, and the

other from Messrs. F. Sander & Co., of St. Albans, both flowering in June 1895. The pretty Japanese *Prunus* was received from Professor Sargent, Director of the Arnold Arboretum, Boston, in 1895, and flowered at Kew in April of the present year. The flowers appear before the leaves. The *Coriaria*, also Japanese, flowered in Canon Ellacombe's garden at Bitton last June. Its coral red flowers render it very conspicuous. Seeds sent to Kew by Professor Sargent produced plants one of which flowered simultaneously with that in Canon Ellacombe's garden. *Cypripedium Exul*, native of Siam, closely resembles *C. insigne*. The figure was prepared from a plant which was sent to Kew in 1892 by Messrs. F. Sander & Co. The *Iris* is a new species, imported from Japan. It flowered at Kew in June.

Journal of Sir Joseph Banks.—In the Historical Account of Kew (*K. B.*, 1891, pp. 305–9) some account is given of Banks's connexion with it, and of the encouragement he gave to botanical work. It is remarked: "No scientific man of his eminence probably ever did so little personally, or was the inspiring cause of so much being done by others." This is only true in the sense of work actually accomplished. Banks's energy in the interests of science was unbounded. But the undoubted fact remains that hitherto there has been little or nothing to show for it. He has not even received credit for the remarkable Journal, now published after the lapse of more than a century, of Captain Cook's first voyage round the world. It was largely, it is true, embodied in Hawkesworth's narrative. But there is nothing to show who was responsible for any particular description or statement.

Three years ago Cook's own Journal was published by Admiral Wharton. That of Banks is at length, after the singular series of accidents described by the editor, given to the world. It cannot be doubted that it places Banks's scientific reputation in an entirely new position. In ardour, judgment, energy, keenness of observation, and indefatigable scientific interest we see that he takes his place in the very front rank of scientific explorers. But the fact remains that his labours yielded no tangible result at his own hands, and till the present publication of his Journal, the world may be said to have remained ignorant of their extent. The vast series of figures on copper-plates of the plants collected which Banks had prepared at his own cost remains unutilized at the British Museum. It might have been thought that the trustees who inherited his collections and magnificent library would at least have made these available to science if only as a memorial to their author.

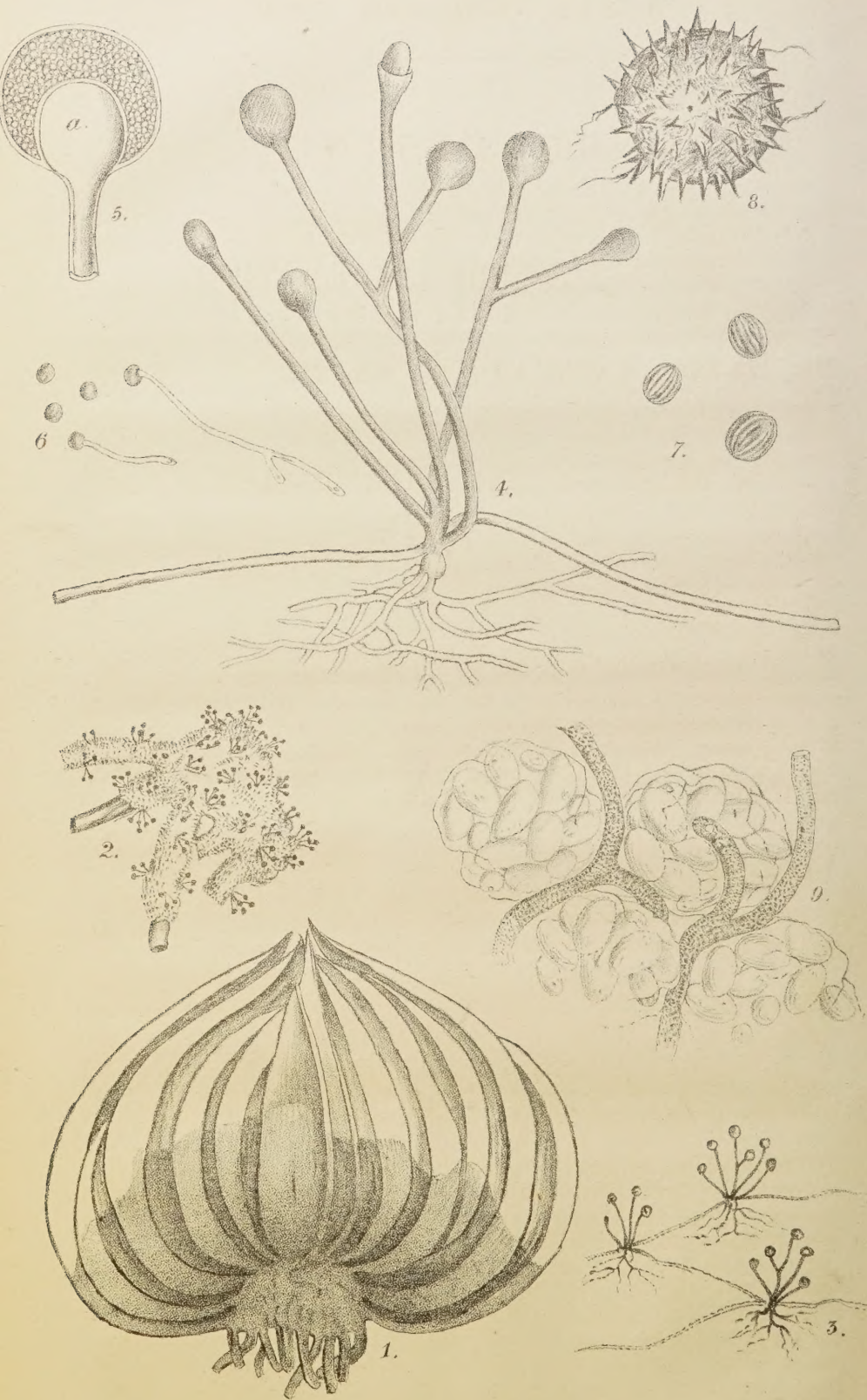
Nothing could be more appropriate than that the task of editing the Journal should have fallen into the hands of Sir Joseph Hooker. He followed Banks in the investigation of the flora of the extreme south of America and of New Zealand, and was actually the first to publish many of the plants first collected by him and his botanist, Dr. Solander, both in his *Flora Antarctica* and his *Flora Novæ Zealandiæ*. And he also ultimately followed him in the scientific direction of Kew.

Nothing is more remarkable about the book, disinterred as it is from a long oblivion, than its freshness. It depicts the countries of the southern hemisphere as they first revealed themselves to northern navigators and records with vivid accuracy conditions of savage life which are for the most part passed away for ever.

Australian Myrmecophilous Plants.—In Banks's *Journal* (p. 304) of Captain Cook's first voyage, lately edited by Sir Joseph Hooker, he describes an epiphytic plant having a large tuberous rhizome permeated by innumerable winding passages invariably inhabited by ants. The species observed by Banks was inhabited by red ants, even in a young state, when the tuber was little larger than a hazel nut. The plant was very abundant, and the tuber of the older ones was often "much larger than a large turnip." Banks identified it with the *Nidus Formicarum ruber* of Rumphius (*Herbarium Amboinense*, vi. p. 120. t. 55. f. 2), subsequently named *Myrmecodia Rumphii* by Beccari (*Malesia*, ii. p. 117), which, however, is only known with certainty to inhabit Amboyna. No species of this singular group of plants is included in Bentham's *Flora Australiensis* (1866); but in 1867, Dr. Ch. Moore, Director of the Sydney Botanic Gardens, sent some living plants, which had been brought from Cape York by Captain Nares, to Kew. In a communication relating to these plants (*Journal of Botany* vi. (1868), p. 52), Mr. G. Bennett quotes a letter from Dr. [now Sir Joseph] Hooker, in which they are mentioned as *Myrmecodia armata* and *Hydnophytum formicarum*. These names were taken up by F. Mueller (*Fragmenta Phytographiæ Australis* vii. p. 45), and the latter is repeated in the first edition of his *Census of Australian Plants*, p. 75; whilst the former is given as *M. echinata*, which, in the second edition of the *Census*, is again altered to *M. Antoinii*. Kew was unsuccessful in cultivating the plants in question, and unfortunately the dead plants were not preserved, either as museum or herbarium specimens, so that we cannot be certain what they were, though the evidence is against the original determinations. This is not surprising because at that date only about half a dozen of the fifty species now known had been described.

The first successful importation of living plants of *Myrmecodia* seems to have been made by Messrs. J. Veitch, who presented a plant of *M. Beccarii*, Hook. f. (*Botanical Magazine*, t. 6883) to Kew in 1886. In the same year Mr. H. O. Forbes sent *Hydnophytum Forbesii*, Hook. f. (*Botanical Magazine*, t. 7218) from New Guinea to Kew, where it has been successfully cultivated. In 1891 a plant of *Hydnophytum longiflorum*, A. Gr., a native of Fiji, was sent to Kew by Mr. D. Yeoward, Curator of the Botanical Station there. This flowered in 1894, and was figured in the *Botanical Magazine*, t. 7343. In 1893, Professor C. Stewart, F.R.S., presented Kew with some plants of *Myrmecodia Antoinii*, Becc., which flowered last year, and a figure of it will appear in the *Botanical Magazine* for February, t. 7517. This was obtained from Thursday Island, off Cape York, North Australia. A third Australian species is represented in the Museum by a specimen from Somerset, North Australia, collected by the Macleay Expedition. It is apparently *Hydnophytum crassifolium*, Becc., a species found in the Aru Islands and in German New Guinea, two very distant localities. According to Sir Joseph Hooker (*Botanical Magazine*, 1894, sub. t. 7343), Dr. A. R. Wallace was the first to attempt the introduction of these plants, having sent a *Myrmecodia* to Kew about the year 1860. There are also plants in the Museum of the three Australian species named above, sent by the late Walter Hill, Director of the Brisbane Botanic Garden, which arrived in a dead condition.

[W B. H.]



Rhizopus necans, Massee.